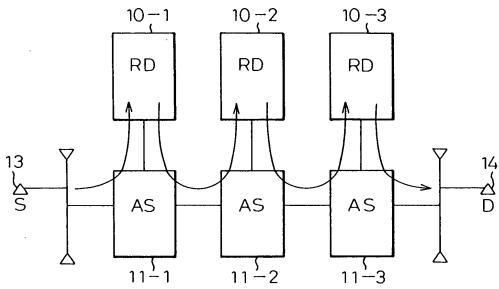
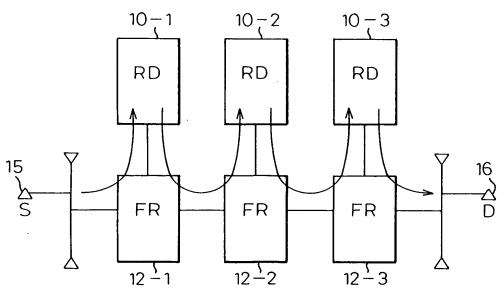


Fig. 1A



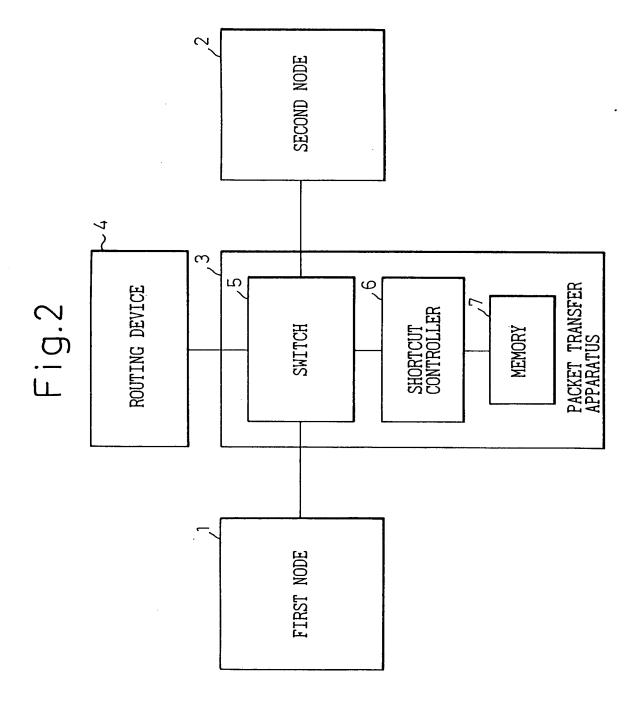
RD: ROUTING DEVICE AS: ATM SWITCH

Fig. 1B

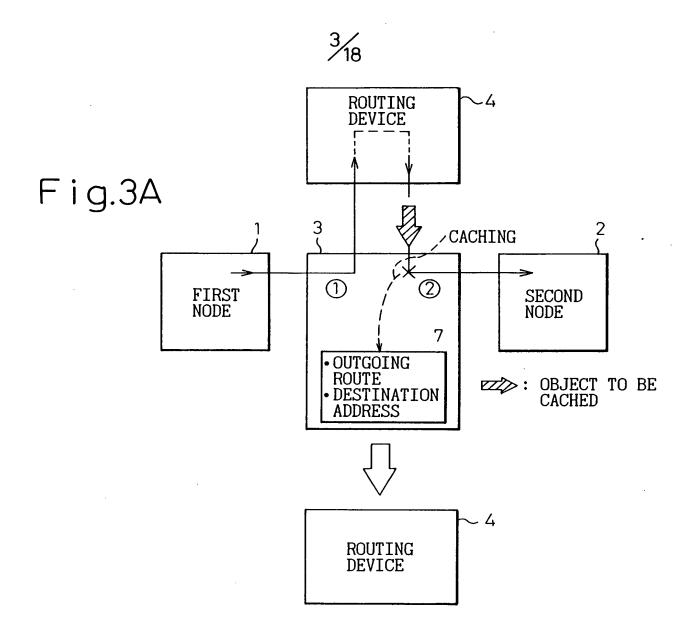


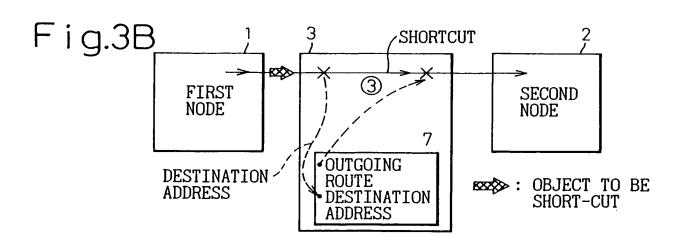
RD: ROUTING DEVICE FR: FRAME RELAY SWITCH

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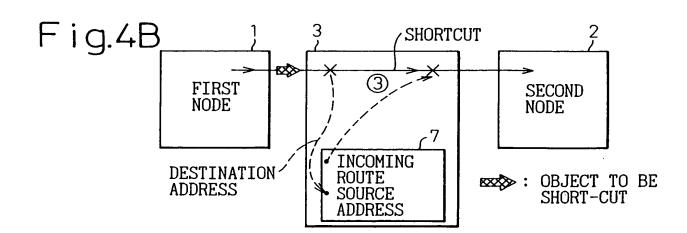
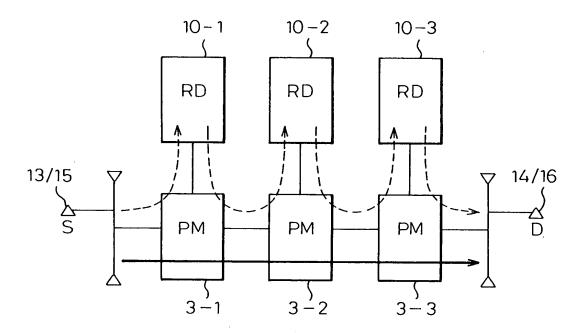
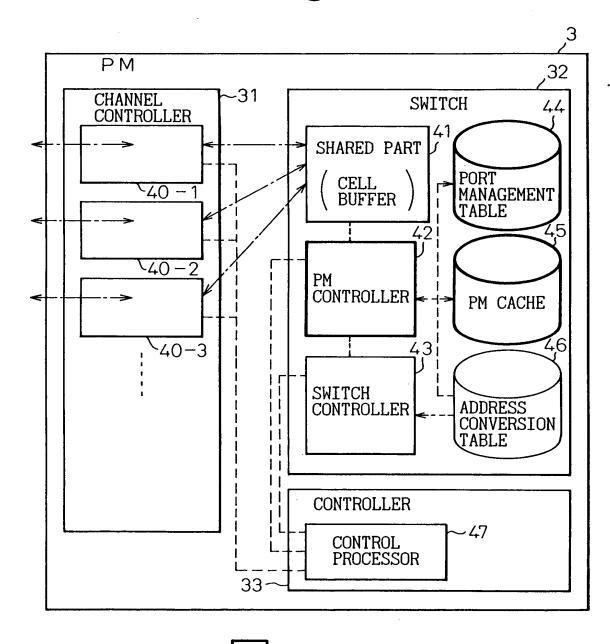


Fig.5



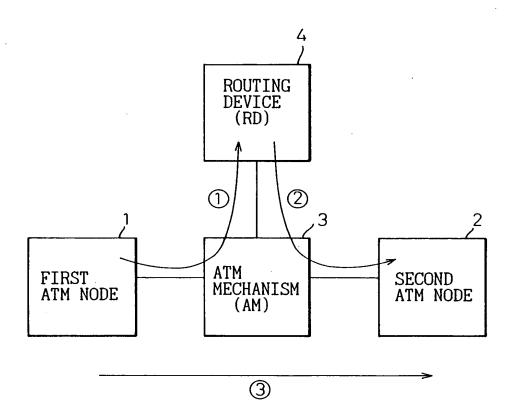
: ROUTING DEVICE : PACKET TRANSFER MECHANISM : ORDINARY ROUTE : SHORTCUT

Fig.6



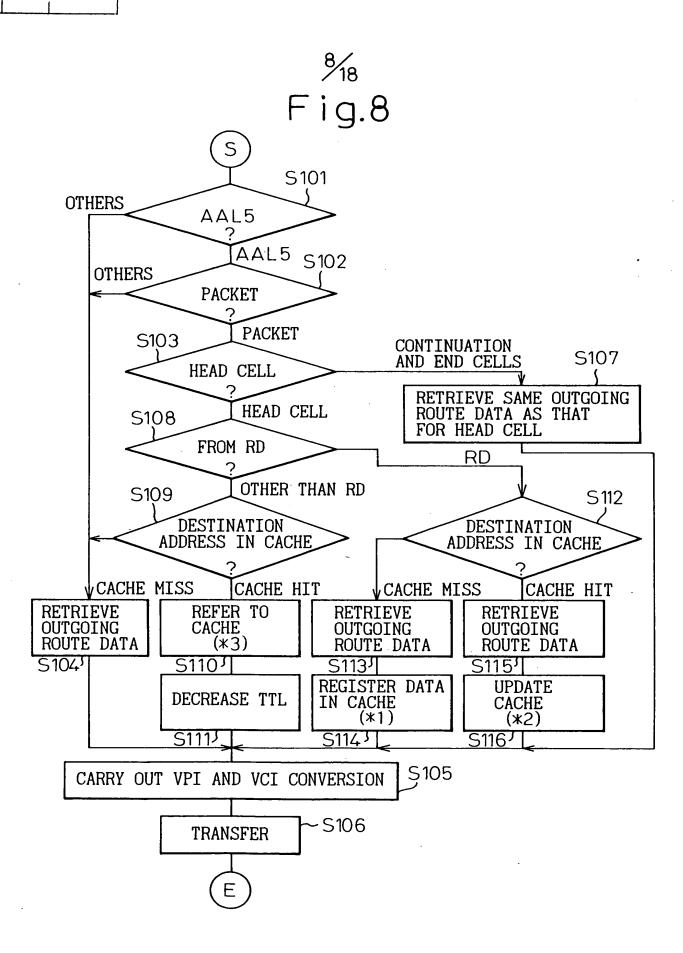
: FUNCTIONS CHARACTERISTIC TO PM

Fig.7



DOISTORD IIIDGE

MARKET



PORT NUMBER

Fig.9B

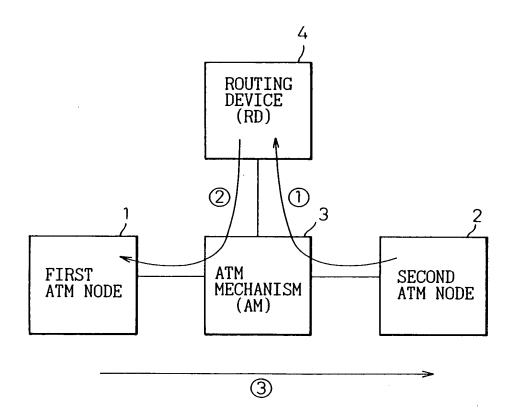
DESTINATION ADDRESS	OUTGOING ROUTE DATA
------------------------	---------------------------

Fig.9C

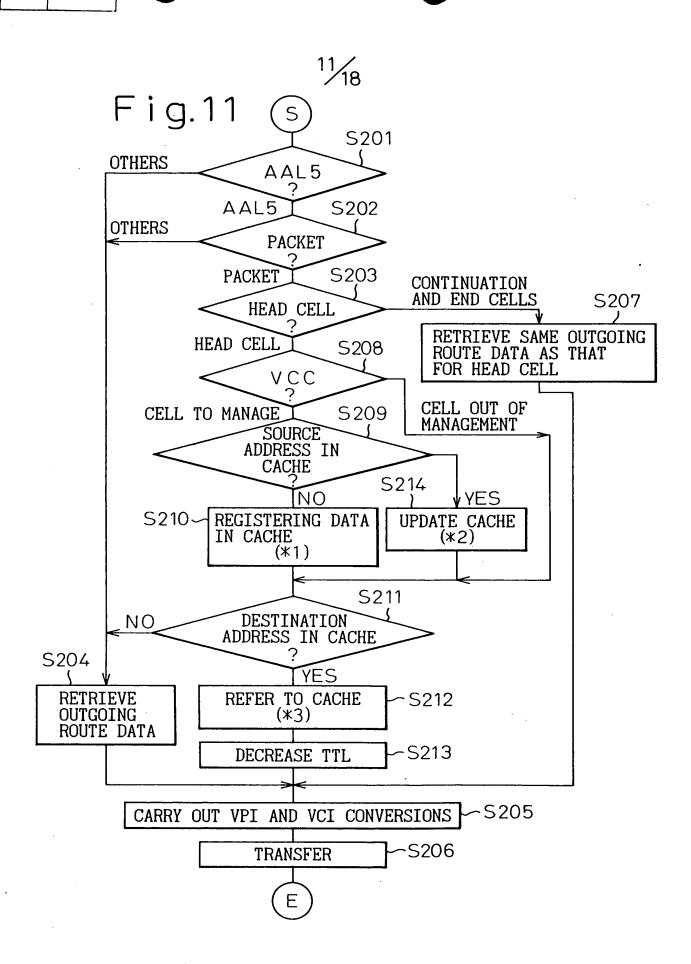
	DESTINATION ADDRESS	OUTGOING ROUTE DATA
CACHE REGISTERING (*1)	W	W
CACHE UPDATING (*2)		W
CACHE REFERRING (*3)		R

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F i g.12A

PORT V P	IVCI
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Fig. 12B

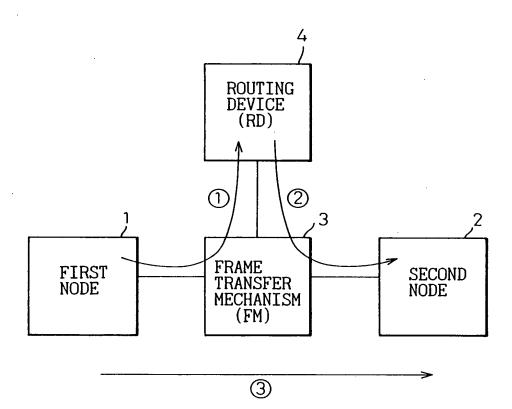
SOURCE	INCOMING ROUTE DATA			
ADDRESS	PORT NUMBER	VPI	V C I	

F i g. 12C

	SOURCE ADDRESS	INCOMING ROUTE DATA		
		PORT NUMBER	VPI	VCI
CACHE REGISTERING (*1)	W	W	W	W
CACHE UPDATING (*2)		W	W	W
CACHE REFERRING (*3)		·R	R	R

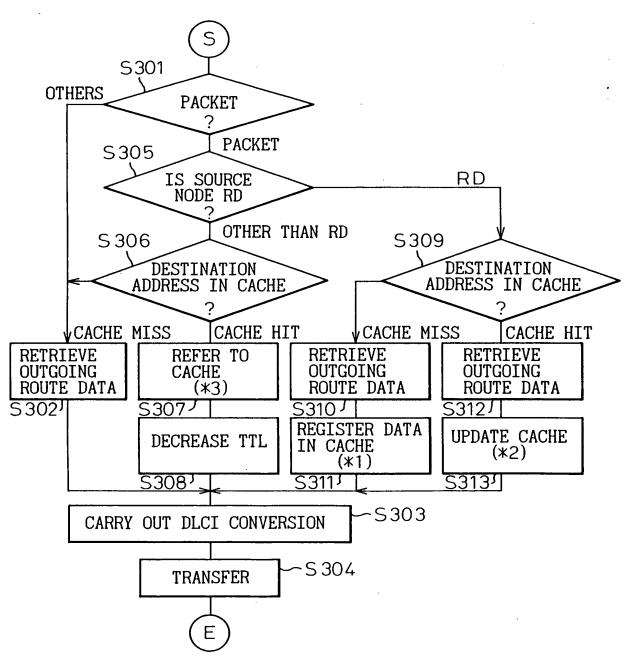
SMAN

Fig.13



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Fig. 14



F i g. 15A

PORT NUMBER

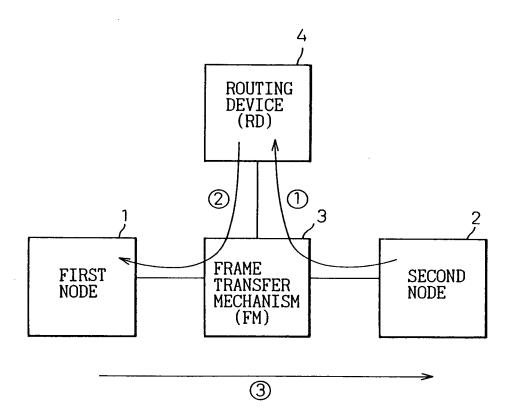
F i g. 15B

F i g. 15C

	DESTINATION ADDRESS	OUTGOING ROUTE DATA
CACHE REGISTERING (*1)	W	W
CACHE UPDATING (*2)		W
CACHE REFERRING (*3)		R

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Fig.16



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Fig.17

FRAME OUT OF MANAGEMENT

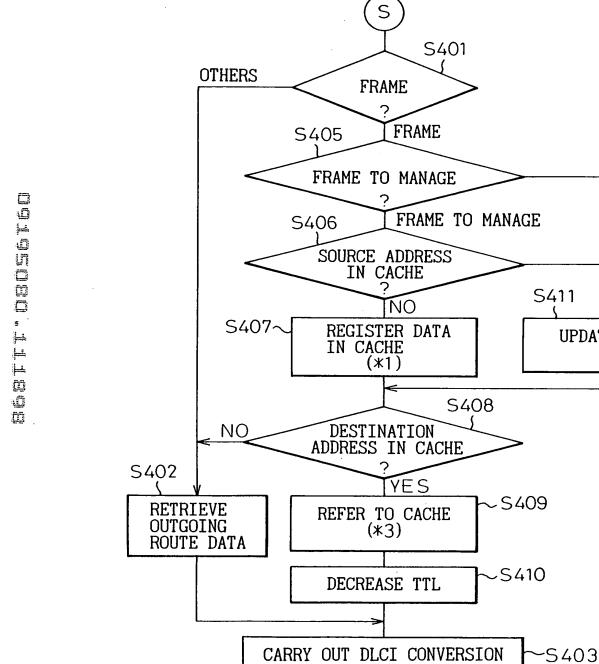
YES

UPDATE CACHE

(*2)

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TRANSFER



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Fig.18A

PORT NUMBER DLCI

F i g.18B

SOURCE	INCOMING ROUTE DATA		
ADDRESS	PORT NUMBER	DLCI	

F i g. 18C

	COUDCE	INCOMING ROUTE DATA	
	SOURCE ADDRESS	PORT NUMBER	DLCI
CACHE REGISTERING (*1)	W	W	W
CACHE UPDATING (*2)		W	W
CACHE REFERRING (*3)		R	R